

PGS.MD3

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Chapter 1

PGS.MD3

1.1 geteps

GETEPS

External macros only!

Purpose: Gets coordinates and information for an EPS object.

Syntax: `geteps [POSITION pstem/V] [FRAME fflag/V]`
`[CONTENTOFFSET cstem/V] [CONTENTSCALE cstem/V] [ROTATION rstem/V]`
`[ABOUT rstem/V] [CONSTRAIN cflag/V] [PRINT pflag/V]`
`[FILEINFO fstem/V] [DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]`

Format:	Parameter	Values to enter
	POSITION	gets the coordinates of the frame.
	CONTENTOFFSET	gets the offset in the frame.
	CONTENTSCALE	gets the scale of the object in the frame.
	ROTATION	gets the rotation of the frame.
	ABOUT	gets the rotation point.
	CONSTRAIN	gets the proportional scale flag state.
	PRINT	gets the print flag state.
	FILEINFO	gets the file status of the EPS object.
	DOCUMENT	is the document name.
	WINDOW	is the window name.
	OBJECTID	is the number of the object. (Default=current)

Result: The object ID is returned to the RESULT variable.

POSITION:
`pstem.left` left coordinate
`pstem.top` top coordinate
`pstem.right` right coordinate
`pstem.bottom` bottom coordinate

FRAME: returns <ON|OFF>

CONTENTOFFSET:
`cstem.x` horizontal offset
`cstem.y` vertical offset

```

CONTENTSSCALE:
cstem.h      horizontal scale
cstem.v      vertical scale

ROTATION:
rstem.mode   rotate about <POINT|CENTER>
rstem.slant  slant angle
rstem.twist  twist angle

ABOUT:
rstem.x      horizontal point
rstem.y      vertical point

CONSTRAIN: returns <ON|OFF>

PRINT: returns <ON|OFF>

FILEINFO:
fstem.mode   <INTERNAL|EXTERNAL>
fstem.file   filepath and name

```

```

Example: geteps position coord /* will print the eps object bounding box to the ←
output console */
say 'Left: ' || coord.left
say 'Top: ' || coord.top
say 'Right: ' || coord.right
say 'Bottom: ' || coord.bottom

```

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.2 geterrornumber

GETERRORNUMBER

External macros only!

Purpose: Gets the number of the last error. Error numbers are different from the RC number, which is merely a measure of the error severity.

Syntax: geterrornumber (no parameters)

Result: The number is returned to RESULT.

```

Example: geterrornumber /* will return the error number and string */
errnum=result
geterrorstring
errname=result
say "Error #||errnum||" occurred:"
say errname

```

See also

GETERRORSTRING

Command Format

1.3 geterrorstring

GETERRORSTRING

External macros only!

Purpose: Gets a short explanation of the last error. This is similar to the ARExx `errortext()` function, except that this command gets the last PageStream ARExx error.

Syntax: `geterrorstring` (no parameters)

Result: The message is returned to RESULT.

Example:

```
geterrornumber /* will return the error number and string */
errnum=result
geterrorstring
errname=result
say "Error #||errnum||" occurred:"
say errname
```

See also

GETERRORNUMBER
Command Format

1.4 getfacingpagedisplay

GETFACINGPAGEDISPLAY

External macros only!

Purpose: Gets the facing page display status.

Syntax: `getfacingpagedisplay` [WINDOW name/S]

Format: Parameter Values to enter
WINDOW is the window name. (Default=current)

Result: Returns the facing page display status <ON|OFF> to RESULT.

Example:

```
getfacingpagedisplay /* will print the facing page display status to ↵
the output console */
if result='ON' then say 'Facing Pages' else say 'Not Facing Pages'
```

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.5 getfile

GETFILE

External macros only!

Purpose: Opens the ASL file requester to get a filename and path from the user.

Syntax: `getfile <TITLE title/S> [LOAD | SAVE] [PATH filepath/F]
[FILE filename/F] [POSBUTTON label/S] [NEGBUTTON label/S]`

Format:

Parameter	Values to enter
TITLE	is the title of the file requester.
LOAD	opens the ASL load file requester. (Default)
SAVE	opens the ASL save file requester.
PATH	is the default file path. (Default=last)
FILE	is the default filename to open. (Default=last)
POSBUTTON	is the label for the left button. (Default=OK)
NEGBUTTON	is the label for the right button. (Default=Cancel)

Result: If NEGBUTTON is chosen, it sets RC to 10. If POSBUTTON is chosen, it sets RC to 0 and returns the full filepath and name to the RESULT variable.

Notes: The ASL file requester does not support keyboard equivalents for its buttons, so do not use underscores in the button labels.

Example: `'getfile save "Save your work" path ram: posbutton Save'
filename=RESULT
button=RC`

Command Format

1.6 getfilepath

GETFILEPATH

External macros only!

Purpose: Opens the ASL file requester to get a file path from the user.

Syntax: `getfilepath <TITLE title/S> [PATH filepath/F]
[POSBUTTON label/S] [NEGBUTTON label/S]`

Format:

Parameter	Values to enter
TITLE	is the title of the file requester.
PATH	is the default file path. (Default=last)
POSBUTTON	is the label for the left button. (Default=OK)
NEGBUTTON	is the label for the right button. (Default=Cancel)

Result: If NEGBUTTON is chosen, it sets RC to 10. If POSBUTTON is chosen, it sets RC to 0 and returns the path to the RESULT variable.

Notes: The ASL file requester does not support keyboard equivalents for its buttons, so do not use underscores in the button labels.

The actual ASL path requester is not used because it is a bad example of interface design. It does not list the files in the path at all, not even ghosted, so it is difficult for the user to know which path to select. The file requester is substituted and the selected file is ignored. This is not an oversight, but the result of a conscious decision to overcome a shortcoming in the ASL design.

```
Example: 'getfilepath title "Choose a path" path ram: posbutton Choose'
        path=RESULT
        button=RC
```

Command Format

1.7 getfontcache

GETFONTCACHE

External macros only!

Purpose: Gets the font cache size and limit.

Syntax: getfontcache <stem/V>

Format: Parameter Values to enter
 stem is a stem variable for the size and limit.

Result: stem.cachesize is the cache size
 stem.cachemaxh is the maximum height to cache

```
Example: 'getfontcache temp' /* will print the cache size to the output console ↔
        */
        say 'Cache size is ' || temp.cachesize
```

Command Format

1.8 getgreeking

GETGREEKING

External macros only!

Purpose: Gets the greeking status for a window.

Syntax: getgreeking [WINDOW name/S]

Format: Parameter Values to enter
 WINDOW is the window name. (Default=current)

Result: Returns the greeking status <ON|OFF> to RESULT.

Example: getgreeking

say result

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.9 getgrid

GETGRID

External macros only!

Purpose: Gets the snap-to-grid settings for a master page.

Syntax: getgrid <stem/V> [MASTERPAGE name/S]

Format:	Parameter	Values to enter
	stem	is the name of a stem variable for the information.
	MASTERPAGE	is the master page name. (Default=current)

Result:	Parameter	Values to enter
	stem.h	horizontal grid spacing
	stem.v	vertical grid spacing
	stem.x	horizontal snap offset
	stem.y	vertical snap offset
	stem.snap	<ALL RANGE>
	stem.rangeh	horizontal range
	stem.rangev	vertical range
	stem.displayh	horizontal display interval
	stem.displayv	vertical display interval
	stem.displayx	horizontal display offset
	stem.displayy	vertical display offset

Example: getgrid info

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.10 getgriddisplay

GETGRIDDISPLAY

External macros only!

Purpose: Gets the grid display status.

Syntax: getgriddisplay [DEPTH layer/V] [COLOR number/V]
[WINDOW name/S]

Format:	Parameter	Values to enter
	DEPTH	gets the grid depth.
	COLOR	gets the grid color number.
	WINDOW	is the window name. (Default=current)

Result: Returns the grid display status <ON|OFF> to RESULT.

DEPTH: returns <INFRONT|INBACK>

Example: `getgriddisplay depth layer /* will print the grid status to the output ←
console */
if result='ON' then say 'The grid is shown '||layer`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.11 getgridobject

GETGRIDOBJECT

External macros only!

Purpose: Gets coordinates and information for a grid object.

Syntax: `getgridobject [POSITION pstem/V] [POINTS cstem/V]
[DIVISIONS dstem] [ROTATION rstem/V] [ABOUT rstem/V]
[CONSTRAIN cflag/V] [PRINT pflag/V]
[DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]`

Format:	Parameter	Values to enter
	POSITION	gets the coordinates of the bounding box.
	POINTS	gets the coordinates of the vertices of a non-rectangular grid (numbered counterclockwise)
	DIVISIONS	gets the number of grid cells in each direction
	ROTATION	gets the rotation of the bounding box.
	ABOUT	gets the rotation point.
	CONSTRAIN	gets the proportional scale flag state.
	PRINT	gets the print flag state.
	DOCUMENT	is the document name.
	WINDOW	is the window name.
	OBJECTID	is the number of the object. (Default=current)

Result: The object ID is returned to the RESULT variable.

POSITION:
`pstem.left` left coordinate
`pstem.top` top coordinate
`pstem.right` right coordinate
`pstem.bottom` bottom coordinate

POINTS:
`cstem.x1` horizontal coordinate of point 1
`cstem.y1` vertical coordinate of point 1
`cstem.x2` horizontal coordinate of point 2
`cstem.y2` vertical coordinate of point 2
`cstem.x3` horizontal coordinate of point 3
`cstem.y3` vertical coordinate of point 3
`cstem.x4` horizontal coordinate of point 4
`cstem.y4` vertical coordinate of point 4

DIVISIONS:
 dstem.h number of horizontal divisions
 dstem.v number of vertical divisions

ROTATION:
 rstem.mode rotate about <POINT|CENTER>
 rstem.slant slant angle
 rstem.twist twist angle

ABOUT:
 rstem.x horizontal point
 rstem.y vertical point

CONSTRAIN: returns <ON|OFF>

PRINT: returns <ON|OFF>

Example: `getgridobject position coord /* will print the grid object bounding box ←
 coordinates to the output console */`
`say 'Left: ' || coord.left`
`say 'Top: ' || coord.top`
`say 'Right: ' || coord.right`
`say 'Bottom: ' || coord.bottom`

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.12 getgridsnap

GETGRIDSNAP

External macros only!

Purpose: Gets the grid snap status.

Syntax: `getgridsnap [WINDOW name/S]`

Format: Parameter Values to enter
 WINDOW is the window name. (Default=current)

Result: Returns the grid snap status <ON|OFF> to RESULT.

Example: `getgridsnap /* will print the grid snap status to the output console */`
`say 'Grid Snap: ' || result`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.13 getgroup

GETGROUP

External macros only!

Purpose: Gets coordinates and information for a group.

Syntax: `getgroup [POSITION pstem/V] [FRAME fflag/V]
[CONTENTOFFSET cstem/V] [CONTENTSCALE cstem/V] [ROTATION rstem/V]
[ABOUT rstem/V] [CONSTRAIN cflag/V] [PRINT pflag/V]
[DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]`

Format:	Parameter	Values to enter
	POSITION	gets the coordinates of the frame.
	CONTENTOFFSET	gets the offset in the frame.
	CONTENTSCALE	gets the scale of the object in the frame.
	ROTATION	gets the rotation of the frame.
	ABOUT	gets the rotation point.
	CONSTRAIN	gets the proportional scale flag state.
	PRINT	gets the print flag state.
	DOCUMENT	is the document name.
	WINDOW	is the window name.
	OBJECTID	is the number of the object. (Default=current)

Result: The object ID is returned to the RESULT variable.

POSITION:

<code>pstem.left</code>	left coordinate
<code>pstem.top</code>	top coordinate
<code>pstem.right</code>	right coordinate
<code>pstem.bottom</code>	bottom coordinate

FRAME: returns <ON|OFF>

CONTENTOFFSET:

<code>cstem.x</code>	horizontal offset
<code>cstem.y</code>	vertical offset

CONTENTSCALE:

<code>cstem.h</code>	horizontal scale
<code>cstem.v</code>	vertical scale

ROTATION:

<code>rstem.mode</code>	rotate about <POINT CENTER>
<code>rstem.slant</code>	slant angle
<code>rstem.twist</code>	twist angle

ABOUT:

<code>rstem.x</code>	horizontal point
<code>rstem.y</code>	vertical point

CONSTRAIN: returns <ON|OFF>

PRINT: returns <ON|OFF>

Example: `getgroup position coord /* will print the group bounding box to the ←
output console */`

```
say 'Left:    ' || coord.left
say 'Top:     ' || coord.top
say 'Right:   ' || coord.right
say 'Bottom:  ' || coord.bottom
```

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.14 getguides

GETGUIDES

External macros only!

Purpose: Gets the horizontal or vertical ruler guides for a master page side.

Syntax: `getguides <stem/V> <VERTICAL|HORIZONTAL> [MPG name/S]`

Format: Parameter Values to enter
 stem is the name of a stem variable for the information.
 HORIZONTAL specifies horizontal guides
 VERTICAL specifies vertical guides
 MPG is the master page name. (Default=current)

Notes: The current side is the default if one is not specified.

Result: The number of guides is returned to RESULT.

The positions of the guides are returned to `stem.#` where # is a number from 0 to the number of guides less 1.

Example: `getguides info vertical`
`say 'There are ' || result || ' vertical guides for this master page.'`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.15 getguide

GETGUIDE

External macros only!

Purpose: Gets the snap-to-guide settings for a master page side.

Syntax: `getguide <stem/V> [MASTERPAGE name/S]`

Format: Parameter Values to enter
 stem is the name of a stem variable for the information.
 MASTERPAGE is the master page name. (Default=current)

Result: stem.snap ALL|RANGE
 stem.rangeh horizontal range
 stem.rangev vertical range

Example: getguide info
 if info.snap='RANGE' then do
 say 'Snap horizontally within '||info.rangeh
 say 'Snap vertically within '||info.rangev
 end

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.16 getguidedisplay

GETGUIDEDISPLAY

External macros only!

Purpose: Gets the guide display status.

Syntax: getguidedisplay [DEPTH layer/V] [COLOR number/V]
 [PAGE flag/S] [RULER flag/S] [WINDOW name/S]

Format: Parameter Values to enter
 DEPTH gets the guide depth.
 COLOR gets the guide color number.
 PAGE gets the page guide display status.
 RULER gets the ruler guide display status.
 WINDOW is the window name. (Default=current)

Result: Returns the guide display status <ON|OFF> to RESULT. If either page or ruler guides are displayed, ON will be returned.

DEPTH: returns <INFRONT|INBACK>

PAGE: returns <ON|OFF>

RULER: returns <ON|OFF>

Example: getguidedisplay page pflag ruler rflag /* will print the guide status ↔
 to the output console */
 if result=ON then do
 say 'Page Guides: '||pflag
 say 'Ruler Guides: '||rflag
 end

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.17 getguidesnap

GETGUIDESNAP

External macros only!

Purpose: Gets the guide snap status.

Syntax: `getguidesnap [WINDOW name/S]`

Format: Parameter Values to enter
 WINDOW is the window name. (Default=current)

Result: Returns the guide snap status <ON|OFF> to RESULT.

Example: `getguidesnap /* will print the grid snap status to the output console ←`
`*/`
`say 'Guide Snap: '||result`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.18 getinvisibledisplay

GETINVISIBLEDISPLAY

External macros only!

Purpose: Gets the invisible symbol display status.

Syntax: `getinvisibledisplay [WINDOW name/S]`

Format: Parameter Values to enter
 WINDOW is the window name. (Default=current)

Result: Returns the invisible display status <ON|OFF> to RESULT.

Example: `getinvisibledisplay /* will print the invisible display status to the ←`
`output console */`
`say 'Invisible Symbol Display: '||result`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.19 getline

GETLINE

External macros only!

Purpose: Gets coordinates and information for a line.

Syntax: `getline [POSITION pstem/V] [ROTATION rstem/V]`

```
[ABOUT rstem/V] [CONSTRAIN cflag/V] [PRINT pflag/V]
[DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]
```

```
Format: Parameter      Values to enter
POSITION      gets the coordinates of the line.
ROTATION      gets the rotation of the line.
ABOUT        gets the rotation point.
CONSTRAIN     gets the proportional scale flag state.
PRINT         gets the print flag state.
DOCUMENT      is the document name.
WINDOW        is the window name.
OBJECTID      is the number of the object. (Default=current)
```

Result: The object ID is returned to the RESULT variable.

```
POSITION:
pstem.x1      first endpoint horizontal coordinate
pstem.y1      first endpoint vertical coordinate
pstem.x2      second endpoint horizontal coordinate
pstem.y2      second endpoint vertical coordinate
```

```
ROTATION:
rstem.mode    rotate about <POINT|CENTER>
rstem.slant   slant angle
rstem.twist   twist angle
```

```
ABOUT:
rstem.x       horizontal point
rstem.y       vertical point
```

```
CONSTRAIN: returns <ON|OFF>
```

```
PRINT: returns <ON|OFF>
```

```
Example: getline position coord /* will print the line coordinates to the output ←
console */
if coord.x2>coord.x1 then do
  temp=coord.x1
  coord.x1=coord.x2
  coord.x2=temp
  temp=coord.y1
  coord.y1=coord.y2
  coord.y2=temp
end
say 'Left Endpoint: '||coord.x1||', '||coord.y1
say 'Right Endpoint: '||coord.x2||', '||coord.y2
```

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.20 getmarginguides

GETMARGINGUIDES

External macros only!

Purpose: Gets the margin guides for a master page.

Syntax: `getmarginguides <stem/V> [MASTERPAGE name/S]`

Format: Parameter Values to enter
 stem is the name of a stem variable for the information.
 MASTERPAGE is the master page name. (Default=current)

Result: stem.inside inside margin
 stem.outside outside margin
 stem.top top margin
 stem.bottom bottom margin

Example: `getmarginguides info /* will print the margin guides */`
`say 'Inside margin: ' || info.inside`
`say 'Outside margin: ' || info.outside`
`say 'Top margin: ' || info.top`
`say 'Bottom margin: ' || info.bottom`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.21 getmasterpagedesc

GETMASTERPAGEDESC

External macros only!

Purpose: Gets the description of a master page.

Syntax: `getmasterpagedesc [MASTERPAGE name/S]`

Format: Parameter Values to enter
 MASTERPAGE is the master page name. (Default=current)

Result: The description is returned to RESULT.

Example: `getmasterpagedesc /* will return the description of the current master` ←
`page */`
`mpagedesc=result`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.22 getmasterpages

GETMASTERPAGES

External macros only!

Purpose: Gets the number of master pages in a document or chapter and their names.

Syntax: getmasterpages <stem/V> [DOCUMENT name/S | CHAPTER name/S]

Format:

Parameter	Values to enter
stem	is the name of a stem variable for the master page names.
DOCUMENT	is the document name. (Default=current)
CHAPTER	is the document/chapter name.

Result: The number of master pages in the document or chapter is returned to RESULT.

The names of the master pages are returned to stem.# where # is a number from 0 to the number of master pages less 1.

Example: getmasterpages mpagenames /* will print the master page names to the output console */
 numpages=result
 do count=0 to numpages-1
 say mpagenames.count
 end count

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.23 getobject

GETOBJECT

External macros only!

Purpose: Gets the rotation status and the status of various flags for an object.

Syntax: getobject [TYPE type/V] [ROTATION stem/V]
 [ABOUT stem/V] [CONSTRAIN cflag/V] [PRINT pflag/V]
 [DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]

Format:

Parameter	Values to enter
TYPE	gets the object type.
ROTATION	gets the object rotation.
ABOUT	gets the object rotation point.
CONSTRAIN	gets the object proportional scale flag state.
PRINT	gets the object print flag state.
DOCUMENT	is the document name.
WINDOW	is the window name.
OBJECTID	is the number of the object. (Default=current)

Result: The object ID is returned to the RESULT variable.

TYPE: returns the object type number.

Drawing	2
Group	3
Complex	4

```

Box          5
Line         6
Ellipse      7
Grid         8
Polygon      9
Path         10
Text Frame   11
Picture      12
EPS          13
Frameless Text ???
Multiple Select ???

```

ROTATION:

```

rstem.mode   Rotate about <POINT|CENTER>
rstem.slant  Slant angle
rstem.twist  Twist angle

```

ABOUT:

```

rstem.x      Horizontal point
rstem.y      Vertical point

```

CONSTRAIN: returns <ON|OFF>

PRINT: returns <ON|OFF>

```

Example: getobject constrain cflag print pflag /* will print some object ↔
         information to the output console */
         say 'The proportional scale flag is '||cflag
         say 'The print flag is '||pflag

```

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.24 getobjectlock

GETOBJECTLOCK

External macros only!

Purpose: Gets the lock status of an object.

Syntax: getobjectlock [DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]

Format: Parameter Values to enter

DOCUMENT is the document name.

WINDOW is the window name.

OBJECTID is the number of the object. (Default=current)

Result: Returns the lock status <ON|OFF|UNKNOWN> to RESULT. UNKNOWN means that objects with conflicting lock attributes are selected.

```

Example: getobjectlock window 'View.1' /* will print the lock status to the ↔
         output console */
         say 'Object lock is '||result

```

Command Format
 Object ID numbers
 DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.25 getoutlinedisplay

GETOUTLINEDISPLAY

External macros only!

Purpose: Gets the text frame outline display status.

Syntax: `getoutlinedisplay [WINDOW name/S]`

Format: Parameter Values to enter
 WINDOW is the window name. (Default=current)

Result: Returns the outline display status <ON|OFF> to RESULT.

Example: `getoutlinedisplay /* will print the outline display status to the ↔
 output console */
 say 'Text Frame Outline Display: '||result`

Command Format
 DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.26 getpagedesc

GETPAGEDESC

External macros only!

Purpose: Gets the description of a page.

Syntax: `getpagedesc [PAGE number/S]`

Format: Parameter Values to enter
 PAGE is the page number. (Default=current)

Result: The description is returned to RESULT.

Example: `getpagedesc /* will return the description of the current page */
 pagedesc=result`

Command Format
 DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.27 getpagemasterpage

GETPAGEMASTERPAGE

External macros only!

Purpose: Gets the master page name for a page, whether its objects are shown and whether they're shown in front or in back of objects on the page itself.

Syntax: `getpagemasterpage [MASTERPAGE name/V] [DEPTH level/V]
[PAGE number/S | DOCUMENT name/S | WINDOW name/S]`

Format:

Parameter	Values to enter
MASTERPAGE	gets the master page name.
DEPTH	gets the object depth.
PAGE	is the page number. (Default=current)
DOCUMENT	is the document name.
WINDOW	is the window name.

Result: If the master page objects are visible on the actual page, ON will be returned to RESULT, else OFF will be returned.

MASTERPAGE: returns the name of the master page for the actual page will be returned to the specified variable.

DEPTH: returns <INFRONT|INBACK>

Example: `getpagemasterpage masterpage name page 5 /* will print the master page ↔
for a page to the output console */
say 'The master page for the current page is '||name`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.28 getpagename

GETPAGENAME

External macros only!

Purpose: Gets the name of a page.

Syntax: `getpagename [PAGE number/S]`

Format:

Parameter	Values to enter
PAGE	is the page number. (Default=current)

Result: The name is returned to RESULT.

Example: `getpagename /* will return the name of the current page */
pagename=result`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.29 getpagenumbering

GETPAGENUMBERING

External macros only!

Purpose: Gets the page numbering system.

Syntax: `getpagenumbering <stem/V> [DOCUMENT name/S | CHAPTER name/S]`

Format: Parameter Values to enter
 stem is the name of a stem variable for the information.
 DOCUMENT is the document name. (Default=current)
 CHAPTER is the document/chapter name.

Result: stem.startmode AUTOMATIC|AUTOEVEN|AUTOODD|CUSTOM
 stem.start starting page number
 stem.lengthmode AUTOMATIC|CUSTOM
 stem.length number of pages
 stem.masterpage name of master page to use for blank pages

Example: `getpagenumbering info /* will reset the start page number to one higher ←
 if page numbering is set to custom */
 if info.startmode='CUSTOM' then do 'setchapternumbering start custom '|| ←
 info.start+1`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.30 getpath

GETPATH

External macros only!

Purpose: Gets coordinates and information for a path.

Syntax: `getpath [POSITION pstem/V] [FRAME fflag/V]
 [CONTENTOFFSET cstem/V] [CONTENTSCALE cstem/V] [ROTATION rstem/V]
 [ABOUT rstem/V] [CONSTRAIN cflag/V] [PRINT pflag/V]
 [DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]`

Format: Parameter Values to enter
 POSITION gets the coordinates of the frame.
 CONTENTOFFSET gets the offset in the frame.
 CONTENTSCALE gets the scale of the object in the frame.
 ROTATION gets the rotation of the frame.
 ABOUT gets the rotation point.
 CONSTRAIN gets the proportional scale flag state.
 PRINT gets the print flag state.
 DOCUMENT is the document name.
 WINDOW is the window name.
 OBJECTID is the number of the object. (Default=current)

Result: The object ID is returned to the RESULT variable.

```

POSITION:
pstem.left      left coordinate
pstem.top       top coordinate
pstem.right     right coordinate
pstem.bottom    bottom coordinate

FRAME: returns <ON|OFF>

CONTENTOFFSET:
cstem.x         horizontal offset
cstem.y         vertical offset

CONTENTSCALE:
cstem.h         horizontal scale
cstem.v         vertical scale

ROTATION:
rstem.mode      rotate about <POINT|CENTER>
rstem.slant     slant angle
rstem.twist     twist angle

ABOUT:
rstem.x         horizontal point
rstem.y         vertical point

CONSTRAIN: returns <ON|OFF>

PRINT: returns <ON|OFF>

```

```

Example: getpath position coord /* will print the path bounding box to the ←
output console */
say 'Left: ' || coord.left
say 'Top: ' || coord.top
say 'Right: ' || coord.right
say 'Bottom: ' || coord.bottom

```

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.31 getpicture

GETPICTURE

External macros only!

Purpose: Gets coordinates and information for a picture.

```

Syntax: getpicture [POSITION pstem/V] [FRAME fflag/V]
[CONTENTOFFSET cstem/V] [CONTENTSCALE cstem/V] [ROTATION rstem/V]
[ABOUT rstem/V] [DPI dstem/V] [CONSTRAIN cflag/V] [PRINT pflag/V]
[FILEINFO fstem/V] [DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]

```

```

Format:  Parameter      Values to enter
POSITION gets the coordinates of the frame.
CONTENTOFFSET gets the offset in the frame.
CONTENTSCALE gets the scale of the object in the frame.
ROTATION gets the rotation of the frame.
ABOUT gets the rotation point.
CONSTRAIN gets the proportional scale flag state.
PRINT gets the print flag state.
FILEINFO gets the file status of the picture.
DOCUMENT is the document name.
WINDOW is the window name.
OBJECTID is the number of the object. (Default=current)

```

Result: The object ID is returned to the RESULT variable.

```

POSITION:
pstem.left    left coordinate
pstem.top     top coordinate
pstem.right   right coordinate
pstem.bottom  bottom coordinate

FRAME: returns <ON|OFF>

CONTENTOFFSET:
cstem.x       horizontal offset
cstem.y       vertical offset

CONTENTSCALE:
cstem.h       horizontal scale
cstem.v       vertical scale

ROTATION:
rstem.mode    rotate about <POINT|CENTER>
rstem.slant   slant angle
rstem.twist   twist angle

ABOUT:
rstem.x       horizontal point
rstem.y       vertical point

DPI:
dstem.x       horizontal resolution
dstem.y       horizontal resolution

CONSTRAIN: returns <ON|OFF>

PRINT: returns <ON|OFF>

FILEINFO:
fstem.mode    <INTERNAL|EXTERNAL>
fstem.file    filepath and name

```

```

Example: getpicture position coord /* will print the picture bounding box to the ←
output console */
say 'Left: ' || coord.left
say 'Top: ' || coord.top
say 'Right: ' || coord.right

```

```
say 'Bottom: ' || coord.bottom
```

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.32 getpicturedisplay

GETPICTUREDISELAY

External macros only!

Purpose: Gets the picture display status.

Syntax: `getpicturedisplay [WINDOW name/S]`

Format: Parameter Values to enter
 WINDOW is the window name. (Default=current)

Result: Returns the picture display status <ON|OFF> to RESULT.

Example: `getpicturedisplay /* will print the picture display status to the ↵
 output console */
 say 'Picure Display: ' || result`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.33 getpolygon

GETPOLYGON

External macros only!

Purpose: Gets coordinates and information for a polygon.

Syntax: `getpolygon [POSITION pstem/V] [SHAPE sstem/V]
 [ROTATION rstem/V] [ABOUT rstem/V] [CONSTRAIN cflag/V]
 [PRINT pflag/V] [DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]`

Format: Parameter Values to enter
 POSITION gets the coordinates of the polygon.
 SHAPE gets the polygon shape, sides and angles.
 ROTATION gets the rotation of the polygon.
 ABOUT gets the rotation point.
 CONSTRAIN gets the proportional scale flag state.
 PRINT gets the print flag state.
 DOCUMENT is the document name.
 WINDOW is the window name.
 OBJECTID is the number of the object. (Default=current)

Result: The object ID is returned to the RESULT variable.

```

POSITION:
pstem.centerx      horizontal center coordinate
pstem.centery      vertical center coordinate
pstem.radiusx      horizontal radius
pstem.radiusy      vertical radius

SHAPE:
sstem.type          <NORJAL|STAR|PUFFY|SCALLOP|WAVY>
sstem.sides         number of sides
sstem.offsetangle  pre-rotation angle
sstem.deflection    alternate point radius
sstem.deflectionangle alternate point angle

ROTATION:
rstem.mode          rotate about <POINT|CENTER>
rstem.slant         slant angle
rstem.twist         twist angle

ABOUT:
rstem.x            horizontal point
rstem.y            vertical point

CONSTRAIN: returns <ON|OFF>

PRINT: returns <ON|OFF>

```

```

Example: getpolygon position coord /* will print the polygon center coordinates ←
to the output console */
say 'Horizontal Center: ' || coord.centerx
say 'Vertical Center:   ' || coord.centery

```

Command Format
Object ID numbers
DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.34 getportname

GETPORTNAME

External macros only!

Purpose: Gets the name of PageStream's ARexx port.

Syntax: getportname (no parameters)

Result: The name is returned to RESULT.

```

Example: getportname /* will return the portname */
name=result

```

Command Format

1.35 getredo

GETREDO

External macros only!

Purpose: Gets the type of action that can be redone.

Syntax: `getredo [DOCUMENT name/S | WINDOW name/S]`

Format: Parameter Values to enter
 DOCUMENT is the document name.
 WINDOW is the window name.

Result: Returns the type of action that can be redone to RESULT. For example, if the movement of an object had just been undone, it would return "Move".

Example: `getredo
 say "Can redo "||result /* will print the redoable action to the output ↔
 console */`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.36 getrefreshmode

GETREFRESHMODE

External macros only!

Purpose: Gets the refresh mode of a window.

Syntax: `getrefreshmode [WINDOW name/S]`

Format: Parameter Values to enter
 WINDOW is the window name. (Default=current)

Result: Returns the refresh mode <ON|OFF|WAIT> to RESULT.

Example: `getrefreshmode window 'View.1' /* will print the refresh mode to the ↔
 output console */
 say 'Refresh Mode: '||result`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.37 getrotation

GETROTATION

External macros only!

Purpose: Gets the rotation status of an object.

Syntax: `getrotation <stem/V> [DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]`

Format: Parameter Values to enter
 stem is the name of a stem variable for the information.
 DOCUMENT is the document name.
 WINDOW is the window name.
 OBJECTID is the number of the object.

Result: stem.slant
 stem.twist

Example: `getrotation amount /* will print the rotation status to the output ↔ console */`
`say 'Slant: ' || amount.slant`
`say 'Twist: ' || amount.twist`

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.38 getrulerdisplay

GETRULERDISPLAY

External macros only!

Purpose: Gets the ruler display status.

Syntax: `getrulerdisplay [OFFSET ostem/V] [ZERO zstem/V] [MSYS mstem/V] [DIRECTION dstem/V] [WINDOW name/S]`

Format: Parameter Values to enter
 OFFSET gets the ruler offset in pixels from the top left corner of the window.
 ZERO gets the ruler zero point.
 MSYS gets the measurement system units for the rulers.
 DIRECTION gets the direction in which the rulers are measured.
 WINDOW is the window name. (Default=current)

Result: Returns the ruler display status <ON|OFF> to RESULT.

ostem.x	horizontal display offset
ostem.y	vertical display offset
zstem.x	horizontal zero offset
zstem.y	vertical zero offset
mstem.h	horizontal ruler measurement system
	<INCHES CENTIMETERS MILLIMETERS PICAS POINTS
	PRINTERPICAS PRINTERPOINTS CICEROS DIDOTPOINTS FEET
	METERS SAMEAS>
mstem.v	vertical ruler measurement system (same as above)
dstem.h	horizontal measurement direction <LEFT RIGHT>

```
dstem.v    vertical measurement direction <UP|DOWN>
```

```
Example: getrulerdisplay msys system /* will print the ruler status and ←
measurement system to the output console */
say 'The rulers are '||result
say 'Horizontal measurement system: '||system.h
say 'Vertical measurement system: '||system.v
```

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.39 gettextframe

GETTEXTFRAME

External macros only!

Purpose: Gets the number of columns in a frame, and the gutter space between them.

```
Syntax: gettextframe [COLUMNS number/V] [GUTTER space/V]
[DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]
```

Format: Parameter Values to enter

COLUMNS	gets the number of columns in the frame.
GUTTER	gets the space between columns in the frame.
DOCUMENT	is the document name.
WINDOW	is the window name.
OBJECTID	is the number of the object. (Default=current)

Result: Returns the object's text frame status <ON|OFF> to RESULT.

```
Example: gettextframe columns count gutter space
if result='ON' then say 'Columns: 'count', Gutter: 'space /* will print ←
the column count and gutter space to the output console */
```

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.40 gettextobj

GETTEXTOBJ

External macros only!

Purpose: Gets coordinates and information for a frameless text object.

```
Syntax: gettextobj [POSITION pstem/V] [ROTATION rstem/V] [ABOUT rstem/V]
[CONSTRAIN cflag/V] [PRINT pflag/V]
[DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]
```

Format: Parameter Values to enter
 POSITION gets the coordinates of the text object.
 ROTATION gets the rotation of the text object.
 ABOUT gets the rotation point.
 CONSTRAIN gets the proportional scale flag state.
 PRINT gets the print flag state.
 DOCUMENT is the document name.
 WINDOW is the window name.
 OBJECTID is the number of the object. (Default=current)

Result: The object ID is returned to the RESULT variable.

POSITION:
 pstem.left left coordinate
 pstem.top top coordinate
 pstem.right right coordinate
 pstem.bottom bottom coordinate

ROTATION:
 rstem.mode rotate about <POINT|CENTER>
 rstem.slant slant angle
 rstem.twist twist angle

ABOUT:
 rstem.x horizontal point
 rstem.y vertical point

CONSTRAIN: returns <ON|OFF>

PRINT: returns <ON|OFF>

Example: `getttextobj position coord /* will print the text object's bounding box ←
 to the output console */
 say 'Left: ' || coord.left
 say 'Top: ' || coord.top
 say 'Right: ' || coord.right
 say 'Bottom: ' || coord.bottom`

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.41 gettextwrap

GETTEXTWRAP

External macros only!

Purpose: Gets the text wrap status of an object.

Syntax: `gettextwrap [REGION mode/V] [WRAP type/V] [STANDOFF stem/V]
 [DOCUMENT name/S | WINDOW name/S | OBJECTID number/I]`

Format: Parameter Values to enter
 REGION is the wrap mode.

WRAP is the wrap type.
 STANDOFF is the offset of the text from the object.
 DOCUMENT is the document name.
 WINDOW is the window name.
 OBJECTID is the number of the object. (Default=current)

Result: The information is returned to the variables.

REGION: returns <SHAPE|BOUNDINGBOX|FENCE>

WRAP: returns <NOWRAP|WRAPLEFT|WRAPRIGHT|WRAPJUMP|WRAPAROUND|WRAPINSIDE to the specified variable.

STANDOFF:
 stem.x horizontal offset
 stem.y vertical offset

Example: `getttextwrap region mode wrap type standoff offset /* will print the ↵`
`text wrap status to the output console */`
`if mode~='NOWRAP' then`
`say 'Text will '||type||' by '||offset.x||' horizontally, and '|| ↵`
`offset.y||' vertically.'`

Command Format
 Object ID numbers
 DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.42 getscreenname

GETSCREENNAME

External macros only!

Purpose: Gets the name of the screen on which PageStream is opened.

Syntax: `getscreenname` (no parameters)

Result: The name is returned to RESULT.

Example: `getscreenname /* will return the screenname */`
`screen=result`

Command Format

1.43 getstring

GETSTRING

External macros only!

Purpose: Opens a requester with one text string gadget into which the user can type a string, and two buttons for exit gadgets.

Syntax: `getstring [STRING default/S] [TITLE label/S] [POSBUTTON label/S]
[NEGBUTTON label/S]`

Format: Parameter Values to enter
 STRING is the default string for the text string gadget.
 (Default=blank)
 TITLE is the label for the text string gadget (Max length=8)
 (Default=blank)
 POSBUTTON is the label for the left button. (Max length=8)
 (Default=_Ok)
 NEGBUTTON is the label for the right button. (Max length=8)
 (Default=_Cancel)

Result: If NEGBUTTON is chosen, it sets RC to 10. If POSBUTTON is chosen, it sets RC to 0 and returns the string to the RESULT variable.

Notes: If you want a different requester layout, or a, design a custom macro requester with the ALLOCAREXXREQUESTER command.

Precede the character to underscore as a bound keyboard equivalent in the label name. For example, "_Ok" would make "O" the keyboard shortcut for the "Ok" gadget.

Example: `'getstring string "Erase this." title "_Text" posbutton "_Yes" negbutton ←
"_No"
userstring=RESULT
button=RC`

Command Format

1.44 gettextlinkdisplay

GETTEXTLINKDISPLAY

External macros only!

Purpose: Gets the text frame link display status.

Syntax: `gettextlinkdisplay [WINDOW name/S]`

Format: Parameter Values to enter
 WINDOW is the window name. (Default=current)

Result: Returns the text link display status <ON|OFF> to RESULT.

Example: `gettextlinkdisplay /* will print the textlink display status to the ←
output console */
say 'Text Frame Link Display: '||result`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.45 getundo

GETUNDO

External macros only!

Purpose: Gets the type of action that can be undone.

Syntax: `getundo [DOCUMENT name/S | WINDOW name/S]`

Format: Parameter Values to enter
 DOCUMENT is the document name.
 WINDOW is the window name.

Result: Returns the type of action that can be undone to RESULT. For example, if an object had just been rotated, it would return "Rotate".

Example: `getundo
 say "Can undo "||result /* will print the undoable action to the output ↔
 console */`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.46 getwindowpos

GETWINDOWPOS

Purpose: Gets the size and position of a document window.

Syntax: `getwindowpos [AT atstem/V] [SIZE sizestem/V]
 [WINDOW name/S]`

Format: Parameter Values to enter
 AT gets the window position.
 SIZE gets the window size in pixels.
 WINDOW is the window name. (Default=current)

Result: `atstem.x` horizontal window position.
`atstem.y` vertical window position.
`sizestem.w` window width
`sizestem.h` window height

Example: `getwindowpos at coords size coords /* prints the window position and ↔
 size to the output console */
 say 'Left: '||coords.x
 say 'Top: '||coords.y
 say 'Width: '||coords.w
 say 'Height: '||coords.h`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.47 getwindows

GETWINDOWS

External macros only!

Purpose: Gets the names of the open view windows for a document.

Syntax: `getwindows <stem/V> [DOCUMENT name/S]`

Format: Parameter Values to enter
 stem is the name of a stem variable for the window names.
 DOCUMENT is the document name. (Default=current)

Result: The number of open windows is returned to RESULT.

The names of the open windows are returned to stem.# where # is a number from 0 to the number of open windows less 1.

Example: `getwindows winnames /* will print the window names to the output ↔
 console */
 numwins=result
 do count=0 to numwins-1
 say winnames.count
 end count`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.48 greeking

GREEKING

Purpose: Changes the text greeking status.

Syntax: `greeking <ON | OFF | TOGGLE> [WINDOW name/S]`

Format: Parameter Values to enter
 ON toggles on the greeking option.
 OFF toggles off the greeking option.
 TOGGLE toggles greeking on and off.
 WINDOW is the window name. (Default=current)

Example: `greeking off`

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.49 group

GROUP

Purpose: Groups selected objects into a logical group.

Syntax: group [POSITION left/D top/D right/D bottom/D]
 [CONTENTOFFSET offsetx/D offsety/D] [CONTENTSCALE scalex/P scaley/P]
 [ROTATE angle/A | SKEW slantangle/A twistangle/A | SLANT angle/A |
 TWIST angle/A] [ABOUT pointx/D pointy/D | ABOUTCENTER]
 [CONSTRAIN | FREE] [PRINT | NOPRINT] [INFRONT | INBACK | BEST]
 [DOCUMENT name/S | WINDOW name/S]

Format:	Parameter	Values to enter
	POSITION	is the coordinates of the frame. (Default=current)
	CONTENTOFFSET	is the offset in the frame. (Default=0,0)
	CONTENTSCALE	is the scale of the object in the frame. (Default=0)
	ROTATE	is the rotation angle. (Default=0)
	SKEW	is the slant and twist angle. (Default=0)
	SLANT	is the slant angle. (Default=0)
	TWIST	is the twist angle. (Default=0)
	ABOUT	is the rotation point.
	ABOUTCENTER	rotates around its center. (Default)
	CONSTRAIN	toggles on the resizing constraint.
	FREE	toggles off the resizing constraint.
	PRINT	toggles on the print flag.
	NOPRINT	toggles off the print flag.
	INFRONT	creates at the top of the stack. (Default)
	INBACK	creates at the bottom of the stack.
	BEST	creates at the optimum stack position.
	DOCUMENT	is the document name. (Default=current)
	WINDOW	is the window name. (Default=current)

Result: The identification number (handle) of the new object is returned to the RESULT variable.

Example: group
 group best
 group 1 1 5.23 6.24 document 'project.doc'

See also UNGROUP.

Command Format

Object ID numbers

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE

1.50 hidewindow

HIDEWINDOW

Purpose: Hides the current window, all windows for the document, or all open windows.

Syntax: hidewindow [CURRENT | ALL | EXCEPT | WINDOW name/S]

Format:	Parameter	Values to enter
	CURRENT	will hide the current window. (Default)
	ALL	will hide all open windows.
	EXCEPT	will hide all but the current window.

WINDOW will hide a specific window.

Example: hidewindow
hidewindow all

See also REVEALWINDOW

Command Format

DOCUMENT, CHAPTER, WINDOW, PAGE, MASTERPAGE, MPG, STYLETAG & ARTICLE
